

Title (en)

METHOD AND APPARATUS FOR COLLECTING AND THEN DISPOSING SAND CONTAINED IN PRODUCTION FLUID

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUFFANGEN UND DANN ENTSORGEN VON IN PRODUKTIONSFLUID ENTHALTENEM SAND

Title (fr)

PROCEDE ET DISPOSITIF DE RECUEIL ET D'ELIMINATION DU SABLE CONTENU DANS UN FLUIDE DE PRODUCTION

Publication

EP 1450926 A1 20040901 (EN)

Application

EP 02803059 A 20021011

Priority

- GB 0204626 W 20021011
- GB 0124617 A 20011012

Abstract (en)

[origin: WO03041838A1] Production fluid mixture is directed through a sand removal unit 12 in a retrievable module 1 installed in a modular seabed processing system, and the unit 12 collects sand from the mixture. The production fluid mixture then enters a fluid separation chamber 17 in the module 1 where it is separated into a gas and a mixture of oil and water. Seawater is drawn in from outside the module and is pumped into the sand removal unit 12 to flush the collected sand. The mixed flushed sand and seawater is commingled with the mixture of oil and water downstream of the fluid separation chamber 17 and the commingled mixture is conveyed to a host facility. There, the sand is separated from the commingled mixture and is disposed of.

[origin: WO03041838A1] Production fluid mixture is directed through a sand removal unit (12) in a retrievable module (1) installed in a modular seabed processing system, and the unit (12) collects sand from the mixture. The production fluid mixture then enters a fluid separation chamber (17) in the module (1) where it is separated into a gas and a mixture of oil and water. Seawater is drawn in from outside the module and is pumped into the sand removal unit (12) to flush the collected sand. The mixed flushed sand and seawater is commingled with the mixture of oil and water downstream of the fluid separation chamber (17) and the commingled mixture is conveyed to a host facility. There, the sand is separated from the commingled mixture and is disposed of.

IPC 1-7

B01D 21/24; **E21B 43/36**; **E21B 43/40**; **E21B 43/34**

IPC 8 full level

B01D 21/00 (2006.01); **E21B 43/34** (2006.01)

CPC (source: EP US)

B01D 21/0024 (2013.01 - EP US); **B01D 21/34** (2013.01 - EP US); **E21B 43/35** (2020.05 - EP US)

Citation (search report)

See references of WO 03041838A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03041838 A1 20030522; BR 0213628 A 20040914; EP 1450926 A1 20040901; GB 0124617 D0 20011205; NO 20041931 L 20040511; US 2005011646 A1 20050120

DOCDB simple family (application)

GB 0204626 W 20021011; BR 0213628 A 20021011; EP 02803059 A 20021011; GB 0124617 A 20011012; NO 20041931 A 20040511; US 49188104 A 20040407